CONTENTS

Contents 3

Autoradiographic Localization of Octylonium Bromide Binding Sites in the Rat Gastrointestinal Tract. *F. Amenta, P. Baroldi, F. Ferrante, P. Napoleone and A. Meli* 5

Hyperphagic Effect of B-HT 920 in a Modified X-Maze Test. *F. Ferrari, F. Pelloni and D. Giuliani* 20

Validation of Spontaneous Morphine Withdrawal Symptoms in Rats. *J. W. van der Laan, C. Jansen van 't Land, J. G. Loeber and G. de Groot* 32

Effect of Hypoxia and Catecholamine Stimulation on Cardiac Performance in the Isolated Working Hyperthyroid Rat Heart. *N. Butkow, R. H. Marcus and A. M. Wheatley* 46

Microvascular, Flow and O_2 Consumption Responses of Ischemic Myocardium to Prazosin. *B.-A. Acad, J. Joselevitz-Goldman and H. R. Weiss* 57

Metabolic Profile of β-Adrenoceptor-Blocking Action of Befunolol. *Y. Maruyama, T. Awaji, M. Inoue and S. Takeo* 73

Mechanisms of Inhibition of Nitric Oxide Production in a Murine Model of Splanchnic Artery Occlusion Shock. *Xin-liang Ma, G. Johnson III and A. M. Lefer* 89

Influence of Methylene Blue and Oxyhemoglobin on Mammalian Vascular Responses to Sodium Nitroprusside and Nitroglycerin. *M. Inoue, T. Okamura and N. Toda* 104

Alterations of the Endothelial Function of Isolated Aortae in Rats with Adjuvant Arthritis. *Z. Y. Fang, J. Fontaine, Ph. Unger and G. Berkenboom* 122

Effects of Tandospirone, a 5-HT_{1A} Receptor-Related Anxiolytic, on the Pressor Response Elicited by Stimulation of the Posterior Hypothalamus in Cats. *R. Tsuji, Y. Ohno, A. Hirose, H. Shimizu, H. Tanaka and M. Nakamura* 131

Modulating Effect of Adenosine on the Hypertensive Response to Physostigmine. *V. M. Varagić and M. Š. Prostran* 144

Reversal of Antihypertensive Agent-Induced Postural Hypotension with Physostigmine. *K. H. Park, J. P. Long and J. G. Cannon* 155

Effect of Caffeine on Tone and Intracellular Ca^{++} Release in Guinea-Pig and Human Trachealis. *E. W. Chideckel and D. R. Anireddy* 166

Free Radical Scavenging by Bifemelane Hydrochloride and its Major Metabolites. *J. Liu, N. Ogawa, X. Wang and A. Mori* 177

Belgian Society for Fundamental and Clinical Physiology and Pharmacology. Abstracts of Communications presented at the Meeting of Brussels, February 16, 1991 188